Appendix B

Certified Validation Report Template, Part A: Provided by Validator

Audit Information:

Water Supplier Name: Chino PWS ID: 3e 0012

System Type: Potable

Audit Period: CY 2019

Utility Representation: Pete Vicario

Validation Date: 9-24-20

Call Time:

Sufficient Supporting Documents Provided: 165

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 59 Data Validity Band (Level): || (51-70)

ILI: 2.01 Real Loss: 762.459 AF Apparent Loss: 190.1672 AF

Non-revenue water as percent of cost of operating system: 7.1 1/2

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: Amanda OVET Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Certified Validation Report Template, Part B: Provided by Utility

Water Supplier Name: ()

Water Supplier ID Number: 3010012 Water Audit Period: CY 2019

Water Audit & Water Loss Improvement Steps:

Utility to provide steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit: Include treatment plant effluent reads in monthly production reports and use those reads for the cyzozo audit. Continue to test meters annually and calibrate if needed. Consider tracking storage tank levels and using scada data to confirm meter reads. Have CDA and WFA meters tested volumetrically on an annual basis. Use GIS to determine length of mains for FY2070. Include spressure data for next audit.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, Water Audit and Loss Control Programs, Manual M36, Fourth Edition and in the Free Water Audit Software version 5.

Executive Name (Print)

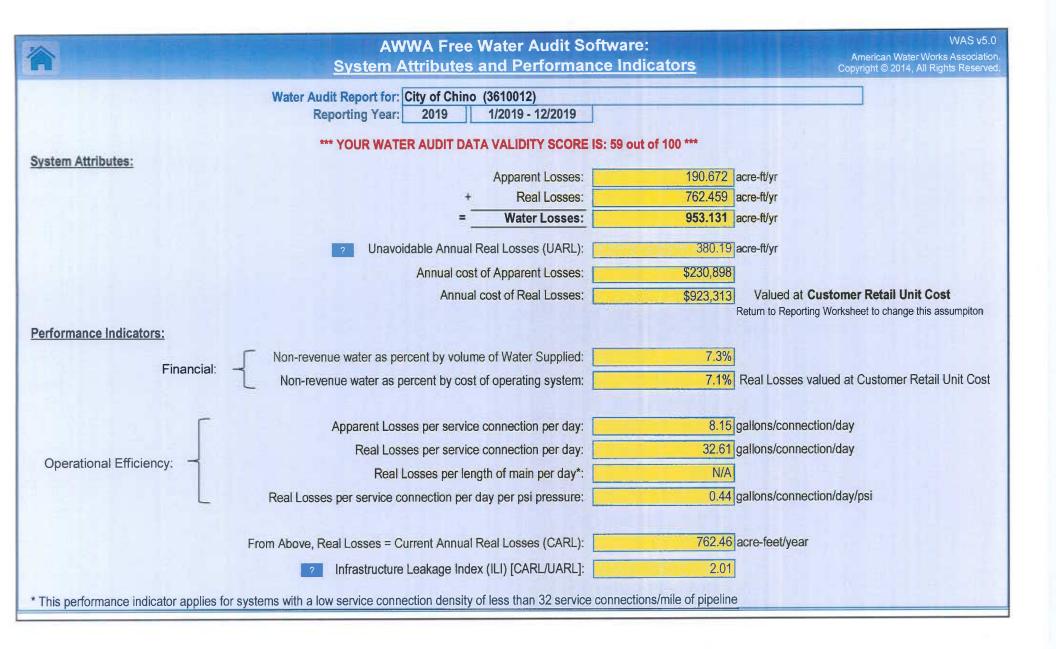
Executive Position

Signature

Date

Water Util Aies Supervisor

	AWWA Free Water Audit Software: Reporting Worksheet					
Click to access definition Water Audit Report fo	circum about monoment of the case of the	(3610012) 1/2019 - 12/2019				
Please enter data in the white cells below. Where available, metered values s input data by grading each component (n/a or 1-10) using the drop-down list t	o the left of the inp	netered values are unavai out cell. Hover the mouse one entered as: ACRE-F	over the cell to obtain a des	ue. Indicate your confidence in scription of the grades	the accuracy of the	
To select the correct data grading for each inp			LLIFERTEAR		0.10	
the utility meets or exceeds all criteria	for that grade a		in actions IEI and III	Master Meter and Supp		ts
WATER SUPPLIED Volume from own source		4,373.320	in column 'E' and 'J'	Pont;	Value; 98.210	acre-ft/yr
Water importer	5	9,172.680	acre-ft/yr	n/a 0.00% 🔘 🔾	- 100.0X	acre-ft/yr
Water exporter	1. n/a	0.000	acre-fl/yr	Enter negative % or val	lue for under-registr	acre-ft/yr
WATER SUPPLIES):	13,447.790	acre-ft/yr	Enter positive % or value		
AUTHORIZED CONSUMPTION				C	lick here:	
Billed metere Billed unmetere		12,463.500	acre-ft/yr acre-ft/yr	fc	or help using option uttons below	
Unbilled metere			acre-ft/yr	Pont:	Value:	
Unbilled unmetered	5	31.159	acre-ft/yr	()(31.159	acre-ft/yr
				1	Ise buttons to select	
AUTHORIZED CONSUMPTION	l:	12,494.659	acre-ft/yr		percentage of water supplied	
				_	QR	
WATER LOSSES (Water Supplied - Authorized Consumption)		953.131	acre-ft/yr		value value	
Apparent Losses Unauthorized consumptio	. + 2	33.610	acre-ft/yr	Pcnt: ▼ 0.25% (●) (Value:	Joseph Hills
Default option selected for unauthorized co		Carintan and a contract of the		0.25%	4	acre-ft/yr
Customer metering inaccuracie	s: + ? 3	125.894	acre-ft/yr	1.00%	2]	acre-ft/yr
Systematic data handling error			acre-ft/yr	0.25% ((acre-ft/yr
Default option selected for Systematic d Apparent Losse:		rors - a grading of 5 is		ayed		
Appareit Losse.		130.072	acie-ibyi			
Real Losses (Current Annual Real Losses or CARL)						
Real Losses = Water Losses - Apparent Losse	s: ?	762.459	acre-ft/yr			
WATER LOSSES	3:	953.131	acre-ft/yr			D1 10
NON-REVENUE WATER NON-REVENUE WATER	R: ?	984.290	acre-ft/yr			
= Water Losses + Unbilled Metered + Unbilled Unmetered SYSTEM DATA						-9
Length of main	s: + ? 3	269.0	miles			
Number of <u>active AND inactive</u> service connection		20,876	and the lands			
Service connection densit	y: sautast	76	conn./mile main			
Are customer meters typically located at the curbstop or property line	? H230 MCM	Yes	(length of service	e line, <u>beyond</u> the property s the responsibility of the utility)		
Average length of customer service line has been	set to zero and	d a data grading score				
Average operating pressur	9: + ? 8	74.0	psi			
						→ 7/:
COST DATA		\$10,000,000	20/202			
Total annual cost of operating water syster Customer retail unit cost (applied to Apparent Losses		\$16,869,026 \$2.78	\$/Year \$/100 cubic feet (ccf)			
Variable production cost (applied to Real Losses		\$826.12	And the second s	se Customer Retail Unit Cost to val	ue real losses	
WATER AUDIT DATA VALIDITY SCORE:						
	*** YOUR SCO	RE IS: 59 out of 100 **	trik			
A weighted scale for the components of cons	umption and water	loss is included in the ca	alculation of the Water Audi	it Data Validity Score	1011	17
PRIORITY AREAS FOR ATTENTION:						
Based on the information provided, audit accuracy can be improved by address	essing the following	a components.				
 Daser comme information diovided, additional accuracy call be improved by additional accuracy call be improved by additional accuracy. 	CONTRACTOR TOTAL T	g components.				
1: Water imported						



		AW	WA Free Wa	ter Audit Software: <u>Wat</u>		WAS v5.0 an Water Works Association.
		Wa	ter Audit Report for:	City of Chino (3610012)		
			Reporting Year: Data Validity Score:	2019	1/2019 - 12/2019	
		Water Exported 0.000			Billed Water Exported	Revenue Water 0.000
Own Sources (Adjusted for known errors)				Billed Authorized Consumption	Billed Metered Consumption (water exported is removed) 12,463.500	Revenue Water
		Authorized Consumption	12,463.500	Billed Unmetered Consumption 0.000	12,463.500	
		12,494.659	Unbilled Authorized Consumption	Unbilled Metered Consumption 0.000	Non-Revenue Wate (NRW)	
4,275.110	4,275.110			31.159	Unbilled Unmetered Consumption 31.159	
System Input Water Supplied 13,447.790 13,447.790	Water Supplied		Apparent Losses 190.672	Unauthorized Consumption 33.619	984.290	
	13,447.790			Customer Metering Inaccuracies		
	Water Losses		Systematic Data Handling Errors 31.159			
Water Imported	/ater Imported		953.131		Leakage on Transmission and/or Distribution Mains	
9,172.680			Real Losses 762.459	Not broken down Leakage and Overflows at Utility's Storage Tanks		
				Not broken down Leakage on Service Connections Not broken down		